

Christopher W. Wood

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7776091/publications.pdf>

Version: 2024-02-01

15
papers

1,100
citations

687363

13
h-index

996975

15
g-index

19
all docs

19
docs citations

19
times ranked

1669
citing authors

#	ARTICLE	IF	CITATIONS
1	Computational design of water-soluble α -helical barrels. <i>Science</i> , 2014, 346, 485-488.	12.6	306
2	De novo protein design: how do we expand into the universe of possible protein structures?. <i>Current Opinion in Structural Biology</i> , 2015, 33, 16-26.	5.7	150
3	Modular Design of Self-Assembling Peptide-Based Nanotubes. <i>Journal of the American Chemical Society</i> , 2015, 137, 10554-10562.	13.7	137
4	CCBuilder 2.0: Powerful and accessible coiled-coil modeling. <i>Protein Science</i> , 2018, 27, 103-111.	7.6	107
5	CCBuilder: an interactive web-based tool for building, designing and assessing coiled-coil protein assemblies. <i>Bioinformatics</i> , 2014, 30, 3029-3035.	4.1	103
6	ISAMBARD: an open-source computational environment for biomolecular analysis, modelling and design. <i>Bioinformatics</i> , 2017, 33, 3043-3050.	4.1	48
7	Maintaining and breaking symmetry in homomeric coiled-coil assemblies. <i>Nature Communications</i> , 2018, 9, 4132.	12.8	45
8	Peptide Assembly Directed and Quantified Using Megadalton DNA Nanostructures. <i>ACS Nano</i> , 2019, 13, 9927-9935.	14.6	45
9	Navigating the Structural Landscape of De Novo α -Helical Bundles. <i>Journal of the American Chemical Society</i> , 2019, 141, 8787-8797.	13.7	42
10	BAlaS: fast, interactive and accessible computational alanine-scanning using BudeAlaScan. <i>Bioinformatics</i> , 2020, 36, 2917-2919.	4.1	39
11	Chimeric Streptavidins as Host Proteins for Artificial Metalloenzymes. <i>ACS Catalysis</i> , 2018, 8, 1476-1484.	11.2	33
12	De Novo Designed Peptide and Protein Hairpins Self-Assemble into Sheets and Nanoparticles. <i>Small</i> , 2021, 17, e2100472.	10.0	18
13	Applying graph theory to protein structures: an Atlas of coiled coils. <i>Bioinformatics</i> , 2018, 34, 3316-3323.	4.1	17
14	DE-STRESS: a user-friendly web application for the evaluation of protein designs. <i>Protein Engineering, Design and Selection</i> , 2021, 34, .	2.1	4
15	Generation of Photocaged Nanobodies for Intracellular Applications in an Animal Using Genetic Code Expansion and Computationally Guided Protein Engineering**. <i>ChemBioChem</i> , 2022, 23, .	2.6	4